

CLIMATOLOGICAL DATA FOR NOVEMBER, 1913.

DISTRICT NO. 7, LOWER MISSISSIPPI VALLEY.

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GENERAL SUMMARY.

Unseasonably warm weather prevailed throughout the month, except that from the 7th to 11th a cool wave overspread the district giving freezing temperatures nearly to the Gulf Coast in Louisiana. The precipitation was well distributed throughout the month, except in Louisiana, where there was no rain of consequence until the last four days.

The following table summarizes the chief features of meteorological interest in the various portions of the district:

States and portions of States lying within District No. 7.	Mean temperature.	Departure from the normal.	Mean precipitation.	Departure from the normal.	Greatest precipitation in 24 hours.	Mean snowfall.	Number of days—			Prevailing wind direction.
							With 0.01 inch or more.	Clear.	Partly cloudy.	
Colorado.....	41.3	+3.8	0.56	-0.21	0.80	6.9	3	18	6	s.
New Mexico.....	46.2	+3.1	1.04	+0.02	1.36	2.9	4	15	10	sw.
Texas.....	54.4	+6.2	2.68	+0.75	3.34	4.6	5	7	12	s.
Kansas.....	50.6	+6.3	2.03	+0.61	2.16	0.1	7	11	7	s.
Oklahoma.....	55.7	+5.8	3.67	+1.69	4.08	0	7	10	8	s.
Missouri.....	53.7	+7.1	2.61	-0.34	2.20	T.	7	11	8	s.
Tennessee.....	55.0	+5.3	1.31	-3.31	1.05	0	5	15	5	s.
Arkansas.....	57.6	+6.7	2.47	-1.15	2.70	4.8	5	10	9	s.
Mississippi.....	59.2	+4.7	2.02	-1.46	3.21	0	3	17	7	se
Louisiana.....	63.7	+4.4	2.73	-0.69	3.09	0	3	1	6	s.

TEMPERATURE.

Mean temperatures were above normal throughout the district, the departures ranging from $+2.1^{\circ}$ to $+9.4^{\circ}$. Maximum temperatures of 80° or higher were reported from one or more stations in all States or parts of States in the district, except in Tennessee, where the highest reading was 79° . The highest temperature recorded, 95° , occurred at Reserve, La. Monthly minimum temperatures were generally below 20° over the western, between 20° and 30° over the northeastern, and between 30° and 40° over the southeastern portion of the district. The lowest temperature recorded, 2° , occurred at Elizabethtown, N. Mex., and a minimum reading of 4° was reported from Leadville, Colo.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—The precipitation was below the normal over the upper and lower portions of this drainage area and above the normal over the central portion. In Colorado the average from 32 stations was 0.56 inch, about 0.2 inch below the normal. Over those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma the average from 46 stations was 2.10 inches, about 0.5 inch above the normal. In New Mexico the average from 40 stations in the Canadian Valley was 0.96 inch, about the normal amount. Over those portions of the Canadian Valley that lie in Texas and Oklahoma the average from 30 stations was 3.22 inches, about 1.7 inches above normal. The amounts from 21

stations in the Cimarron Valley averaged 2.79 inches, about 1.3 inches above the normal. Over the Verdigris Valley the average from 9 stations was 2.46 inches, about 0.6 inch above the normal, and over the Neosho Valley the average from 18 stations was 2 inches, about 0.2 inch below the normal. Below the Oklahoma-Arkansas line the precipitation from 15 stations in the Arkansas Valley proper averaged 2.23 inches, about 1.3 inches below normal.

Red River and tributaries.—The precipitation was above the normal over the upper, and below over the lower portion of this drainage area. In those portions of this drainage area that lie in New Mexico, Texas, and Oklahoma the amounts from 49 stations averaged 3.63 inches, about 2.2 inches above the normal. Below the Texas-Arkansas line the precipitation was not so heavy and the average from 18 stations was 2.27 inches, about 1.3 inches below the normal.

Mississippi River south of St. Louis and small tributaries.—The precipitation was generally light throughout this drainage area. In the immediate Mississippi Valley the average from 37 stations was 2.26 inches, about 1.6 inches below the normal. The average from 23 stations in the Valley of the White was 2.70 inches, about 0.5 inch below the normal. Over the Yazoo Valley the average from 25 stations was 1.74 inches, about 2 inches below normal. In the Valley of the Big Black the average was 2.70 inches, about 0.2 inch below the normal. In the Ouachita Valley the average from 21 stations was 2.53 inches, being about 1.3 inches below the normal.

Louisiana coastal plain.—The precipitation was generally light over this drainage area, the average from 40 stations being 2.67 inches, about 0.4 inch below the normal.

SNOWFALL.

Snow, ranging from a trace to 29.4 inches, occurred generally over the mountainous portions of the Colorado and New Mexico areas, and there was a small amount at a few stations in northern and western Kansas, the extreme northwestern portion of the Texas Panhandle, and in scattered localities in northeastern Arkansas and in the Missouri area. Owing to the warm weather, very little, if any, was added to the stored snow in the mountains.

RIVERS.

The Mississippi River below St. Louis, the Ouachita and Red Rivers changed very little, or fell slightly, during the first 25 days, but from the 26th to 30th there was a general rise.

The Arkansas River was below the normal stage throughout the month.

The Canadian and Washita Rivers in Oklahoma were above the normal stage at the close of the month, but no floods were reported.

Changes were slight and unimportant in the White and Black Rivers in Arkansas.

TABLE 1.—*Climatological data for November, 1913. District No. 7, Lower Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>Colorado.</i>																						
Buena Vista.....	Chaffee.....	7,955	14	39.8	+ 8.5	62	9	10	22 ^a	46°	0.30	- 0.10	0.30	3.0	1	22 ^c	2 ^b	3 ^c	w.	C. A. Short.		
Calhan.....	El Paso.....	6,700	7	41.2	+ 5.0	70	10 ^a	16	22	41	0.10	0.10	0.10	1.0	1	25	4	1	sw.	H. B. Rice.		
Canon City.....	Fremont.....	5,243	25	47.6	+ 5.0	80	10	19	23	50	0.40	- 0.05	0.25	1.0	3	5	3	3	n.	U. S. Weather Bureau.		
Colorado Springs.....	El Paso.....	6,098	23	41.2	+ 3.7	67	11	20	23	36	0.05	- 0.28	0.03	0	3	15	7	8	n.	Colorado College.		
Cripple Creek.....	Teller.....	5,395	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	f. g. willis.	
Cuchara Camps.....	Huerfano.....	5,200	4	.....	.....	.....	.....	.....	.....	.....	1.80	.....	0.69	14.5	4	20	8	2	sw.	George A. Mayes.
Eads.....	Kiowa.....	4,200	6	41.8	.....	55	6	30	24 ^a	18	T.	.....	0.56	18.5	0	20	5	5	e.	Mrs. Matilda A. Kerr.
Fairview.....	Custer.....	9,500	4	.....	.....	.....	.....	.....	.....	.....	1.40	.....	0.56	4	21	7	2	2	e.	Elizabeth L. Grey.
Florence.....	Fremont.....	5,187	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. L. E. Rupert.
Fremont Experiment Station.....	El Paso.....	8,850	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Forest Service.
Garfield.....	Chaffee.....	9,510	3	.....	.....	.....	.....	.....	.....	.....	0.96	.....	0.66	10.0	5	18	7	5	w.	Lloyd N. Felton.
Hamps.....	Elbert.....	5,400	20	39.7	+ 3.5	74	11	6	23	56	0.18	- 0.05	0.18	2.0	1	20	5	5	s.	W. Hamp.		
Hermit Lake.....	Custer.....	10,000	3	.....	.....	.....	.....	.....	.....	.....	1.91	.....	0.80	22.0	4	17	6	6	sw.	John E. Graham.
Hoechne (near).....	Las Animas.....	5,711	21	43.1	+ 2.2	78	10	19	30	50 ^b	0.47	- 0.17	0.40	4.0	2	14	9	9	w.	S. W. Daubus.		
Holly.....	Prowers.....	3,380	18	45.4	+ 2.6	79	11	13	23	54	1.15	+ 0.54	0.55	5.5	3	11 ^c	0 ^b	4 ^c	s.	Holly Sugar Co.		
Le Junta.....	Otero.....	4,052	2	.....	.....	.....	.....	.....	.....	.....	0.52	.....	0.47	5.5	3	16	5	9	s.	S. M. Miller.
Lake Moraine.....	El Paso.....	10,265	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clyde C. McReynolds.
Lamar.....	Prowers.....	3,592	23	45.1	+ 2.8	70	18	19	26	42	0.66	+ 0.21	0.60	0	2	24	4	2	sw.	J. T. Lawless.		
Las Animas.....	Bent.....	3,895	45	44.2	+ 5.7	78	11	16	22	54	0.74	+ 0.41	0.56	7.0	3	10	12	8	w.	American Beet Sugar Co.		
La Veta Pass.....	Costilla.....	9,000	3	.....	.....	.....	.....	.....	.....	.....	0.70	.....	0.29	9.0	3	18	7	5	w.	Clara M. Wright.
Leadville.....	Lake.....	10,248	17	29.4	+ 2.3	52	10	4	29	36	0.50	- 0.31	0.21	8.9	8	15	9	6	n.	U. S. Weather Bureau.		
Limon (near).....	Elbert.....	5,360	6	40.7	.....	70	10 ^a	14	23	45	0.12	.....	0.12	2.0	1	25	2	3	s.	F. L. Palmer.
Madrid.....	Las Animas.....	6,361	3	.....	.....	.....	.....	.....	.....	.....	0.41	.....	0.33	3.0	3	10	8	13	.....	Thomas Sawers.
Marshall Pass.....	Saguache.....	10,846	10	.....	.....	.....	.....	.....	.....	.....	0.62	- 0.57	0.27	7.0	3	10	8	13	.....	W. L. Williams.
Maxey.....	Baca.....	7,200	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. H. Alberti.
Monument.....	El Paso.....	8,700	21	.....	.....	.....	.....	.....	.....	.....	0.66	- 0.52	0.57	7.5	2	27	2	1	nw.	U. S. Forest Service.
North Lake.....	Las Animas.....	8,700	21	.....	.....	.....	.....	.....	.....	.....	0.66	- 0.26	0.11	1.0	1	16	8	6	nw.	James W. Ingmire.
Pueblo.....	Pueblo.....	4,734	25	42.8	+ 3.5	76	10	13	23	51	0.11	- 0.26	0.11	.....	.....	.....	.....	.....	.....	U. S. Weather Bureau.
Rocky Ford.....	Otero.....	4,177	24	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.15	12.5	8	17	10	3	sw.	P. K. Blinn.
St. Elmo.....	Chaffee.....	9,500	4	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.15	1.0	1	22	5	3	n.	Daniel Clark.
Salida.....	do.....	7,035	14	40.2	+ 3.0	67	9 ^a	7	23	48	0.15	- 0.54	0.15	0.43	0.43	2	17	7	6	w.	M. D. L. Buell.	
Stonewall.....	Las Animas.....	8,000	7	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.34	4.6	3	12	8	10	ne.	G. A. Storz.
Trinidad.....	do.....	5,994	17	44.4	+ 1.8	74	10	21	4	43	0.53	- 0.34	0.48	4.5	2	20	7	3	sw.	Walter Dearden.		
Two Buttes.....	Baca.....	4,100	2	44.6	.....	77	11	17	10	49	0.37	.....	0.20	2.0	2	20	7	3	sw.	N. G. Jones.
Two Buttes Reservoir.....	do.....	4,260	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Walter J. Krohne.
Victor.....	Teller.....	10,100	9	35.2	.....	61	10	15	4	30	0.30	.....	0.28	5.0	2	25	4	1	w.	Fred Jones.
Vilas.....	Baca.....	3,935	23	.....	.....	.....	.....	.....	.....	.....	0.30	.....	0.28	5.0	2	20	7	3	sw.	Miss Esther Caldwell.
Westcliffe.....	Custer.....	7,384	19	37.0	+ 4.3	67	11	7	24	48	0.46	- 0.37	0.46	3.0	1	17	4	9	w.	U. S. Forest Service.		
Winfield.....	Chaffee.....	9,765	3	.....	.....	.....	.....	.....	.....	.....	0.04	.....	0.03	0.6	2	16 ^c	8	3	sw.	John G. Payne.
Woodman Sanatorium.....	El Paso.....	2	41.8	69	10	10	30	40 ^a	0.41	1.50	- 0.94	0.30	20.4	11	4	12	14	nw.	Woodman Sanatorium.
Wortman.....	Lake.....	11,260	12	.....	.....	.....	.....	.....	.....	.....	0.41	.....	0.4	0	0	21	4	5	se.	Mrs. Lillie Wortman.
Yoder.....	El Paso.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. E. Bingham.
<i>New Mexico.</i>																						
Abbott.....	Mora.....	5,771	4	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.40	1.5	4	16	5	9	s.	Agent E. P. & S. W. R. R.
Albert.....	Union.....	4,700	23	54.3	+ 7.4	79	6	28	4	34	0.74	+ 0.06	0.33	2.0	4	12	11	7	w.	Antonio Chavez.		
Aurora.....	Colfax.....	8,849	4	.....	.....	.....	.....	.....	.....	.....	0.56	.....	0.36	6.0	4	4	23	3	nw.	Miss J. Luero.
Bell Ranch.....	San Miguel.....	4,500	14	48.6	+ 3.5	79	6	24	5	53	1.20	+ 0.23	0.49	5.0	5	16	6	8	w.	C. M. O'Donel.		
Black Lake.....	Colfax.....	8,348	4	.....	.....	.....	.....	.....	.....	.....	0.64	.....	0.46	7.7	3	6	21	3	s.	R. T. Martinez.
Cabeza.....	San Miguel.....	5,406	4	.....	.....	.....	.....	.....	.....	.....	0.95	.....	0.40	0.2	0.5	8	11	11	nw.	Agent E. P. & S. W. R. R. Do.
Campana.....	do.....	4,493	4	47.7	.....	70	11 ^a	24	4	36	1.20	.....	0.48	2.5	5	12	11	7	sw.	Alfred Lucero.
Chacon.....	Mora.....	9,000	4	.....	.....	.....	.....	.....	.....	.....	1.10	.....	0.85	5.5	2	4	24	2	w.	William French.
Cimarron (near).....	Colfax.....	6,385	9	44.0	.....	73	10 ^a	20	23 ^a	52	0.53	.....	0.28	2.0	3	13	9	8	s.	Dr. N. E. Charlton.
Clayton.....	Union.....	5,260	8	48.3 ^a	.....	74	10	28	29	36 ^b	1.43	.....	0.51	9.0	6	16	11	3	sw.	John H. Barry.
Clovis.....	Curry.....	4,129	22	49.8	.....	72	12	24	4	37	0.81	.....	0.28	0	8	14	10	6	w.	Agent E. P. & S. W. R. R. Do.
Cuervo.....	Guadalupe.....	4,349	4	51.6	.....	75	9	28	41	43	1.06	.....	0.60	1.0	3	17	2	11	sw.	Mabel Carrington.
Dawson.....	Colfax.....	6,396	44.0	.....	.....	70	11 ^a	20	47	42	0.47	.....	0.28	5.0	2	20	1	1	n.	David Rose.
Elizabethtown.....	do.....	8,485	8	34.6	.....	60	9	2	5	44	0.74	.....	0.43	10.5	3	14	13	3	nw.	Agent E. P. & S. W. R. R. Do.
Folsom.....	Union.....	6,399	13	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.35	2.0	3	6	22	2	w.	Alfred Lucero.
Fort Union.....	Mora.....	6,355	53	42.6	+ 2.1	70	15	17	17	47	0.65	- 0.03	0.30	3	25	1	4	4	w.	David Rose.		
Hayden.....	Union.....	4,444	3	46.8	.....	75	13	18	5	32	1.08	.....	0.35	8.0	5	18	8	4	sw.	M. C. Needham.
Hondo Ranch.....	Mora.....	5,680	2	.....	.....	.....	.....	.....	.....	.....	0.90	.....	0.42	2.0	3	16	10	4	sw.	J. A. Bauer.
Johnsons Park.....	Colfax.....	6,722	4	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.35	2.5	2	20	8	2	sw.	W. H. Guttmann.
Johnsons Ranch.....	Mora.....	5,784	1	.....	.....	.....	.....	.....	.....	.....	0.43	.....	0.15	0	3	16	7	6	w.	A. J. Meloche, Jr.
Kappus.....	Quay.....	4,000	2	.....	.....	.....	.....	.....	.....	.....	1.43	.....	0.72	0	3	17	7	6	w.	J. W. Johnson.
Lake Alice.....																						

TABLE 1.—Climatological data for November, 1913. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Texas.																			
Amarillo.	Potter.	3,676	21	50.3	+ 6.5	79	19	32	8	39	1.98	+ 0.82	0.97	0	6	18	6	6	sw.
Archer City.	Archer.		2								7.05		3.34	0	11	11	10	9	s.
Arthur City.	Lamar.	590	21								2.12	- 0.71	1.42	0	2	4	1	25	se.
Bonham.	Fannin.	566	9	61.6		80	18†	32	10	29	3.42		1.58	0	4	8	9	13	s.
Canadian.	Hemphill.	2,339	6	52.6		81	19	32	8†	38	1.97		1.00	0	5	7	16	2	s.
Childress.	Childress.	1,869	20								3.35	+ 2.27	1.10		10	17	3	3	s.
Chillicothe.	Hardeman.	1,406	5								2.83		0.76	0	9	8	14	6	underwood.
Clarendon.	Donley.	2,719	8	52.6		81	12†	33	8	43	2.38		1.18	0	8	14	6	10	b. homer powell.
Clarksville.	Red River.	442	13	63.0†	+ 6.7	88	22	35	11	45	1.30	- 2.16	0.80	0	2	5†	20†	4†	j. w. o'neill.
Claude.	Armstrong.	3,397	10								3.20	+ 2.14	1.10		6				ft. w. & d. c. ry.
Dalhart.	Dallam.	3,998	8	47.0		77	19	24	23	43	1.78		1.33		5	7	6	1	w. d. griggs.
Denison.	Grayson.		13								4.58	+ 2.03	3.10		7	6	14	14	e. b. wilson.
Finley.	Bowie.		3								0.80		0.55	0	2	12	4	10	r. l. smith.
Henrietta.	Clay.	915	21	60.0	+ 7.9	88	18	36	9†	39	5.39	+ 3.31	2.40	0	9	8	3	19	c. k. brown.
Jefferson.	Marion.										1.30		0.70	0	2	10	9	11	j. c. kistenmacher.
Memphis.	Hall.	2,067	8															ft. w. & d. c. ry.	
Miami.	Roberts.	2,743	10	52.2		80	19	29	17	43	3.35	+ 1.70	1.65	0	7	15	6	9	j. e. kinney.
Ochiltree.	Ochiltree.		10								2.35	+ 1.35	1.10	0	5				s. j. allen.
Paducah.	Cottle.										3.10		1.30	0	7	10	6	14	c. m. grayum.
Paris.	Carson.	3,450	4	60.8	+ 6.0	80	18†	34	10†	44	3.00	+ 0.16	1.75	0	9	8	13	11	j. sid o'keefe.
Plemons.	Lamar.	592	24								2.22		0.80	0	5	17	6	7	robert a. miller.
Quanah.	Hutchinson.	6	50.0			79	19	27	23	43	1.20		0	4	9	5	16	c. s. solomon.	
Ringo Crossing.	Hardeman.	1,563	11	56.1	+ 4.9	80	12†	37	10†	39	3.41	+ 2.13	1.20	0	4	9	5	16	j. f. white.
Romero.	Hopkins.	3									1.28		0.68	0	2	8	2	20	r. s. chamberlain.
Sherman.	Hartley.	4,056	3	48.7		79	6	16	5	45	1.87		1.00	0	4	16	9	5	r. a. gibbs.
Stratford.	Grayson.	745	20	60.8	+ 7.2	79	21	38	10	34	3.91	+ 1.38	2.40	0	4	7	3	20	j. w. elliot.
Tulla.	Sherman.	3,699	1	47.9		78	10†	22	23	48	4.70		1.25	0	4	14	4	10	lou mulhall.
Wellington.	Swisher.	3,501	15	52.4	+ 4.1	80	13†	33	10	43	2.15	+ 0.19	0.75	0	4	11	12	7	j. d. camp.
Wichita Falls.	Collingsworth.	21									2.66		1.34	0	3				c. j. mytinger.
Winfield.	Wichita.	958	21								0.91		0.43	0	3	6	20	4	j. b. newberry.
Kansas.	Titus.	3																	
Alden.	Rice.	1,684	3	48.9		74	18	23	10	41	1.72		0.75	0	6	13	8	9	geo. klady.
Anthony.	Harper.	1,329	18	51.7		78	19	27	10	39	1.33	+ 0.11	0.63	0	7	8	10	12	r. h. beebe.
Ashland.	Clark.	1,951	25	50.8	+ 6.9	80	11	28	11†	52	4.82	+ 3.62	2.18	0	10	15	16	13	c. w. carson.
Burlington.	Coffey.	1,010	20	52.2	+ 7.5	78	19	23	10	39	1.31	- 0.52	0.49	0	4	1	16	13	o. e. sanford.
Chanute.	Neosho.	940	9	54.8		79	6	26	10	38	2.78		1.02	0	7	2	21	7	c. w. brown.
Cimarron.	Gray.	2,700	1	47.8		77	11	20	23	44	1.82		0.91	0	5	16†	24	8d	c. c. isely.
Coldwater.	Comanche.	2,020	16	49.9	+ 5.1	79	11	27	10	47	3.64	+ 2.56	1.84	0	8	16	7	7	j. l. stanley.
Columbus.	Cherokee.	898	23	53.8	+ 7.6	73	19	26	10	36	1.06	- 1.39	0.35	0	11	9	7	14	o. e. skinner.
Coolidge.	Hamilton.	3,348	16	44.9	+ 4.7	78	11†	22	23	56	0.69	+ 0.11	0.32	0	3	17	5	8	w. r. padley.
Cottonwood Falls.	Chase.	1,234	9	50.8		75	20	23	10	42	1.46		0.55	0	6	11	6	13	e. b. greene.
Council Grove.	Morris.	1,234	4	51.4†		78	19	22	10	37	1.89		1.12	0	6	9†	9†	12†	j. p. blackledge.
Cunningham.	Kingman.	1,680	29	49.6	+ 3.5	71	18†	25	10	35	1.99	+ 1.00	1.00	0	5	11	8	11	w. h. morton.
Dodge City.	Ford.	2,513	39	48.0	+ 7.5	79	11	26	23	43	2.14	+ 1.59	1.51	0	6	14	5	11	u. s. weather bureau.
El Dorado.	Butler.	1,291	11	51.6		73	12†	24	10	38	2.14		0.80	0	8	8	11	11	w. y. miller.
Ellinwood.	Barton.	1,790	38	48.8	+ 5.5	75	11	22	10	43	1.58	+ 0.61	0.48	0	11	9	12	martin musil.	
Emporia.	Lyon.	1,138	32	52.2	+ 8.1	76	20	24	10	38	1.86	+ 0.49	0.67	0	7	12	7	11	chas. moss.
Eureka.	Greenwood.	1,079	17	48.2		75	12†	27	10	34	2.84	+ 1.12	1.60	0	7	12	8	10	mrs. t. c. peffer.
Fall River.		925	17	54.5	+ 8.0	77	19	26	10	40	2.50	+ 0.64	1.15	0	8	14	10	6	j. mcDaniel.
Fargo.	Seward.		3								2.61		1.45	0	5	19	6	5	n. b. swink.
Fredonia.	Wilson.	975	10	54.0		79	19	26	10	36	2.61		1.16	0	12	8	6	16	b. w. holmes.
Garden City.	Finney.	2,836	24	48.8	+ 3.8	78	11	15	23	48	1.19	+ 0.44	0.75	0	7	15	7	8	b. f. stocks.
Greensburg.	Kiowa.	2,235	6	45.0		76	11	25	9†	45	3.07		1.68	0	7	16	2	12	c. c. raymond.
Grenola.	Elk.	1,116	25	53.2	+ 7.2	77	19	24	10	45	2.08	+ 0.35	0.92	0	7	9	6	15	r. m. lawyer.
Howard.		1,112	6								2.46		1.00	0	7	13	6	11	j. w. eby.
Hugoton.	Stevens.	3,100	9	47.8		78	11	21	23	44	2.99		1.96	0	6	17†	5†	7†	e. r. kimzey.
Hutchinson.	Reno.	1,535	23	48.8	+ 3.9	76	12	23	10	31	1.79	+ 0.67	1.38	0	4	14	2	14	sheridan ploughue.
Independence.	Montgomery.	800	39	55.4	+ 9.4	77	19	25	10	40	3.01	+ 1.09	1.32	0	11	9	5	18	f. l. kenoyer.
Iola.	Allen.	984	7	52.4	+ 9.4	77	19	25	10	37	1.67	+ 0.29	0.72	0	10	7	15	u. s. weather bureau.	
Irene.	Hamilton.	3,440	3	45.7		79	11	18	23	56	0.94		0.41	0	2	18	4	10	n. m. herbig.
Jetmore.	Hodgeman.	2,268	12															h. a. mack.	
Kingman.	Kingman.	1,504	5	51.0		74	19	26	10	38	1.53		0.59	0	5	9	11	10	b. b. anawalt.
La Crosse.	Rush.	2,061	11			73	11†	20	10	47	1.92	+ 0.48	0.99	0	3	11	6*	5	rodney torrey.
Lakin.	Kearney.	2,993	23	46.6	+ 4.6	73	17	20	23†	46	0.55	- 0.06	0.32	1.0	0	15	10	5	c. h. longstreth.
Larned.	Pawnee.	2,090	28	47.6		75	11	23	10	45	2.18	+ 1.13	1.41	0	8	14	5	11	h. h. wolcott.
Lebo.	Coffey.	1,138	27	51.4	+ 8.2	75	19	24	10	34	1.55	- 0.16	0.62	0	6	10	5	15	j. j. bowman.
Le Roy.		990	4								1.26		0.85	0	5	8	4	18	f. w. schmitt.
Liberal.	Seward.	2,843	6	50.2		77	6	27	23	41	3.23		1.60	0	7	19	1	10	dr. r. n. nichols.
Macksville.	Stafford.	2,032	24	48.2	+ 4.4	75	11	22	10	44	1.77	+ 0.75	0.81	0	6	14			

TABLE 1.—Climatological data for November, 1913. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Oklahoma.																				
Ada.	Pontotoc.	1,001	5	55.6	.....	78	21	31	10+	42	5.12	.....	2.10	0	8	7	18	s.	H. P. Sugg.	
Altus.	Jackson.	1,410	55.8	55.8	.....	79	12	34	9+	33	2.66	.....	1.28	0	11	9	2	19	s.	U. S. Weather Bureau.
Alva.	Woods.	1,350	8	51.4	.....	76	11+	27	10+	49	1.84	.....	1.00	0	13	9	9	12	sw.	S. A. Stech.
Apache.	Caddo.	1,255	3	56.4	.....	77	12+	30	10	24	4.34	.....	2.18	0	13	9	9	17	se.	G. D. Teeter.
Arapaho.	Custer.	1,575	19	54.6	+ 6.1	79	12+	31	10	32	3.39	+ 2.02	2.04	0	13	10	4	16	s.	P. H. Gallon.
Ardmore.	Carter.	872	11	59.4	+ 5.6	80	21	34	10	32	9.61	+ 6.80	4.08	0	13	10	5	15	s.	H. T. Nisbett.
Bartlesville.	Washington.	687	5	57.6	.....	78	12+	28	10	40	2.21	.....	0.55	0	11	10	5	15	s.	Dr. A. P. Owans.
Beaver.	Beaver.	2,500	16	49.2	+ 4.3	80	11	26	1+	49	2.14	+ 0.95	0.75	0	7	18	6	6	sw.	Elmer L. Fickel.
Buffalo.	Harper.	51.8	.....	87	18	26	1+	52	4.85	.....	3.12	.....	0	6	18	4	8	s.	Dr. R. R. Anderson.	
Cache.	Comanche.	1,350	7	54.6	.....	76	12+	27	9	44	5.78	.....	2.90	0	10	8	0	22	s.	Mrs. Frank Rush.
Calvin.	Hughes.	713	8	51.4	.....	71	12	34	10	24	3.24	.....	1.30	0	9	9	0	21	s.	Thomas Purcell.
Chandler.	Lincoln.	865	11	55.2	+ 3.7	80	14	31	10	39	2.26	+ 0.85	0.50	0	9	9	8	10	se.	Hiram C. Tuttle.
Chattanooga.	Comanche.	1,150	7	56.3	.....	80	13	30	10	35	3.95	.....	1.50	0	10	7	10	13	s.	Squire Humble.
Chickasha.	Grady.	1,091	11	56.4	+ 4.2	76	13+	30	10	37	3.38	+ 1.07	1.88	0	10	7	9	14	sw.	Anne W. O'Neill.
Cleveland.	Pawnee.	800	11	57.1	+ 7.2	78	12	26	10	41	3.13	+ 0.34	0.63	0	11	9	14	7	sw.	Chas. C. Breed.
Cloud Chief.	Washita.	1,400	11	58.0	+ 5.5	77	13	31	10	30	4.82	+ 2.52	2.63	0	7	9	12	9	s.	J. P. Stutzman.
Durant.	Bryan.	643	11	59.6	+ 5.8	79	21†	32	10	40	3.72	+ 1.33	2.45	0	8	10	7	14	s.	Nelson Houk.
Eldorado.	Jackson.	1,456	6	56.7	.....	80	10	32	10	41d	2.67	.....	1.65	0	3	15	0	7	s.	J. T. Black.
El Reno.	Canadian.	1,490	21	56.0	.....	79	12	26	10	41	3.13	.....	0	0	0	0	0	0	0	Rose E. Walker.
Enid.	Garfield.	1,268	11	52.8	+ 3.4	75	11†	28	10	46	2.41	+ 0.23	0.85	0	7	16	11	3	s.	Uri B. Worcester.
Erie.	Beckham.	2,058	8	54.0	.....	81	20	32	10	40	2.97	.....	1.34	0	6	14	5	8	sw.	A. W. Hanes.
Eufaula.	McIntosh.	566	.....	53.5	.....	79	21	26	10	44b	2.75	.....	0.89	0	7	9b	8b	11b	s.	R. Uhl Brown.
Fairland.	Ottawa.	839	13	56.6	+ 6.1	78	21	25	10	44	1.84	- 0.85	0.80	0	5	8	17	5	s.	C. W. Prier.
Fort Gibson.	Muskogee.	556	8	57.6	.....	78	12†	34	9†	33	3.78	.....	1.70	0	10	6	11	13	se.	John T. Welch.
Frederick.	Tillman.	1,293	6	57.6	.....	78	12†	34	10	39	3.40	.....	1.75	0	10	6	11	13	sw.	B. B. Bradley.
Geary.	Blaine.	1,546	1	55.0	.....	76	12	31	10	28	4.00	.....	2.68	0	10	9	7	14	s.	O. P. Ruth.
Goodwell.	Texas.	3,300	2	60.4	.....	78	10†	25	10	23	5.0	.....	1.90	0	6	19	0	11	n.	S. W. Black.
Guthrie.	Logan.	1,000	20	57.5	+ 6.8	85	17	28	10	37	3.15	+ 0.77	1.55	0	6	14	1	15	s.	S. E. Snyder.
Guymon.	Texas.	3,133	3	51.9	.....	78	12†	30	9†	43	3.70	.....	2.10	0	6	11	0	6	s.	A. L. Mordt.
Hammon.	Roger Mills.	474	4	51.9	.....	78	12†	30	9†	43	3.70	.....	1.35	0	10	10	9	11	se.	E. G. Commons.
Hartshorne.	Pittsburg.	700	14	59.6	.....	78	12†	30	9†	43	3.70	.....	0	0	0	0	0	0	0	Connie Hill.
Healdton.	Carter.	900	19	59.6	+ 6.3	80	13†	39	10	41	12.88	+ 10.43	3.75	0	9	11	9	10	se.	C. H. Heald.
Heavener.	Leflore.	594	.....	59.4	.....	79	18	36	10	36	2.28	.....	1.77	0	3	16	8	6	s.	H. S. Bliss.
Helena.	Alfalfa.	1,398	5	56.4	.....	75	32	37†	10	37	1.98	.....	1.36	0	3	14	9	7	s.	E. C. Seegers.
Hennessey.	Kingfisher.	1,166	18	56.0	.....	78	12†	31	10	31	4.51	.....	2.30	+ 1.01	1.75	0	5	1	s.	Mrs. M. C. Parks.
Hobart.	Kiowa.	1,398	10	56.0	.....	79	12†	31	10	31	4.51	.....	1.81	0	8	9	9	12	s.	J. M. Pate.
Holdenville.	Hughes.	900	12	57.4	+ 4.8	77	13†	31	10	36	4.55	+ 1.92	1.80	0	10	10	10	10	s.	Eula L. Rutherford.
Hooker.	Texas.	3,038	7	48.4	.....	77	11	24	10	34	3.05	.....	1.70	0	8	13	1	16	s.	H. N. Kelly.
Hugo.	Choctaw.	61.0	.....	85	22	33	9	32	10	37	1.40	.....	1.40	0	1	5	10	15	e.	Dr. A. H. Davis.
Hurley.	Cimarron.	4,200	5	45.8	.....	74	11	20	10	43	0.50	.....	0.35	0	2	11	9	10	sw.	Dr. C. W. Meyers.
Idabel.	McCurtain.	474	4	51.9	.....	78	19†	30	9†	43	3.70	.....	1.35	0	10	10	9	11	se.	W. S. Ray.
Jefferson.	Grant.	1,062	19	53.4	+ 6.7	77	12	27	10	35	1.94	+ 0.45	0.80	0	7	10	12	8	s.	T. F. Beck.
Kenton.	Climarron.	4,000	12	56.6	+ 6.2	80	13	30	9†	36	4.55	+ 2.44	2.86	0	8	10	8	12	s.	Ralph H. Guy.
Kingfisher.	Kingfisher.	1,046	16	56.6	+ 6.2	80	13	30	9†	36	4.55	+ 2.44	2.86	0	8	10	8	12	s.	J. C. Cross.
Lewtonka Lake.	do.	1,111	52.0	.....	75	20	30	10	28	4.60	.....	2.70	0	11	9	1	20	a.	Frank M. Head.	
McAlester.	Pittsburg.	698	16	60.1	.....	80	21	31	10	37	4.19	+ 1.34	2.37	0	8	6	8	16	s.	W. S. Kolser.
Mangum.	Greer.	1,585	20	58.2	+ 7.5	85	13†	32	10†	43	3.83	+ 2.20	1.50	0	8	13	3	14	se.	Wm. Noble.
Marlow.	Stephens.	1,292	12	57.1	+ 5.2	79	18	29	1	38	3.01	+ 0.19	1.30	0	7	10	0	20	s.	F. D. Dodson.
Meeker.	Lincoln.	1,080	14	54.6	.....	78	12	29	10	30	5.03	.....	1.65	0	7	9	5	16	s.	Wm. B. Anthony.
Muskogee (1).	Muskogee.	602	57.8	57.8	19†	28	10	40	3.27	3.27	0	0	1.80	0	9	6	6	18	s.	U. S. Weather Bureau.
Muskogee (2).	do.	614	50.2	+ 7.1	77	19†	36	9	24	3.05	+ 0.55	1.63	0	8	6	5	17	e.	J. Harry Randall.	
Mutual.	Woodward.	5	52.4	.....	77	12	29	9	34	2.60	.....	1.80	0	2	14	4	12	s.	Thos. Martin.	
Neola.	Caddo.	1,500	7	56.0	.....	79	12	23	10	39	4.76	.....	3.45	0	3	8	10	13	s.	R. N. Schooling.
Newkirk.	Kay.	1,149	15	55.4	+ 6.8	77	11	27	10	35d	1.80	+ 0.05	1.15	0	3	8	3	19	s.	H. F. Albright & Co.
Norman.	Cleveland.	1,171	18	57.8	+ 7.1	78	13	30	10	31	5.63	+ 3.09	3.30	0	13	6	15	9	s.	S. E. Boyd.
North Muskogee.	Muskogee.	1,247	23	55.8	+ 7.9	78	13	32	10	29	3.71	+ 1.46	1.08	0	11	6	2	22	s.	J. M. Cantrel.
Oakwood.	Dewey.	1,854	3	52.6	.....	78	12†	26	10	32	3.82	.....	2.00	0	7	8	12	10	s.	Dr. E. E. Lawson.
Okeene.	Blaine.	1,194	8	57.2	.....	83	21	30	10	35	3.52	.....	2.62	0	7	14	6	10	s.	Dr. L. H. Murdoch.
Oklahoma.	Oklahoma.	60.0	.....	60.0	.....	77	21	27	11	44	4.15	.....	1.50	0	5	10	3	17	s.	S. F. Smith.
Oklmulgee.	Pauls Valley.	752	8	58.6	+ 8.0	80	13	30	10	38	7.62	+ 5.23	2.05	0	11	10	18	2	s.	J. L. Maynard.
Pawhuska.	Garvin.	880	12	58.6	+ 8.5	83	11	29	10†	44	2.75	+ 0.48	0.76	0	6	13	14	3	n.	A. M. Foss.
Perry.	Osage.	918	12	58.6	+ 8.5	83	11	29	10†	44	2.75	+ 0.48	0.76	0	6	12	12	3	n.	R. C. Block.
Rankin.	Noble.	920	14	54.6	+ 4.5	75	19†	28	10	26	2.54	+ 0.36	1.00	0	8	8	15	7	s.	S. E. Laird.
Ravia.	Roger Mills.	2,200	9	50.2	.....	80	13	30	8†	39	3.12	.....	1.30	0	8	12	8	16	s.	Roy Kagay.
Sac and Fox Agency.	Lincoln.	900	19	52.6	.....	78	13	32												

TABLE 1.—*Climatological data for November, 1913. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevaling wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Missouri—Continued.</i>																				
Ironton.....	Iron.....	925	36	51.4	+ 8.0	76	22	18	11	42	2.45	- 1.52	0.78	T. 0	9	2	12	18	s.	W. H. Delano.
Jackson.....	Cape Girardeau.....	458	23	53.1	+ 7.2	78	20	20	11	41	3.59	+ 0.10	1.15	0	8	9	6	15	n.	L. M. Bean.
Joplin.....	Jasper.....	979	35	58.8	+ 9.2	78	19†	27	10	43	2.90	- 0.23	1.10	0	5	10	5	15	s.	Joplin High School.
Koshkonong.....	Oregon.....	911	33	54.3	+ 5.4	75	18	21	11	30	4.46	+ 1.33	0.88	0	9	7	13	10	se.	J. W. Hitt.
Lamar.....	Barton.....	964	32	54.0	+ 7.7	76	21	23	10	45	1.50	- 0.84	0.37	0	6	8	8	14	sw.	E. H. Adams.
Marble Hill.....	Bollinger.....	420	23			78	20	19	11		4.58	+ 1.37	2.20	0	4	19	6	5	s.	A. F. Hendricks.
Mountaintrove.....	Wright.....	1,490	15	52.7	+ 6.1	73	18†	21	11	35	2.28	+ 0.12	0.70	0	7	8	8	14	s.	Mo. Fruit Exp. Sta.
Mount Vernon.....	Lawrence.....	1,480	36	51.68	+ 4.6	78	21	24	11	44	3.74	+ 0.80	1.80	0	5	9	6	15	se.	J. R. White & Son.
Neosho.....	Newton.....	1,023	31	55.7	+ 8.8	78	21				1.94	- 1.09	0.79	0	7	10	5	16	sw.	W. O. Buck.
New Madrid.....	New Madrid.....	285	20								1.57	- 2.75	0.56	0	6	9	5	16	se.	Miss Josie Smith.
Oakfield.....	Franklin.....	793	22	52.6	+ 7.0	78	21	21	11	33	3.53	+ 0.80	2.20	0	9	7	10	13	s.	E. E. Steines.
Rolla.....	Phelps.....	1,139	33	52.7	+ 9.5	76	21	20	10	36	1.75	- 0.79	0.50	0	6	11	9	10	s.	Prof. Elmo G. Harris.
Springfield.....	Greene.....	1,350	27	53.0	+ 8.6	75	21	25	10	30	1.69	- 1.05	0.70	0	7	8	7	15	s.	U. S. Weather Bureau.
<i>Kentucky.</i>																				
Blandville.....	Ballard.....	445	32	54.4	+ 7.8	77	22	23	11	36	2.49	- 1.97	0.67	T. 0	10	11	6	13	se.	E. W. Herr.
<i>Tennessee.</i>																				
Arlington.....	Shelby.....	31	30	52.5	+ 3.1	77	22	21	11	37	1.09	- 2.96	0.43	0	6	15	1	14	s.	A. Thomas B. Etheridge.
Bolivar.....	Hardeman.....	450	30	54.5	+ 4.2	76	22	25	11	46	1.26	- 3.16	0.54	0	4	20	0	10	sw.	Miss Mary A. Smith.
Brownsville.....	Haywood.....	361	31	54.5	+ 4.2	76	22	24	11	33	1.65	- 2.88	1.05	0	4	19	0	11	s.	Robert Y. Moses.
Covington.....	Tipton.....	311	30	55.4	+ 5.4	77	22	24	11	39	1.35	- 3.54	0.75	0	3	16	0	14	se.	James S. Ruffin.
Dyersburg.....	Dyer.....	310	30	55.4	+ 8.9	78	23	24	11	39	1.58	- 3.53	0.50	0	5	15	10	5	se.	Miss Martha A. Sinclair.
Jackson.....	Madison.....	450	23	55.8	+ 5.2	76	15†	23	11	43	1.30	- 2.69	0.48	0	5	13	8	9	s.	Shelby A. Robert.
Kenton.....	Oblion.....	325	11	54.6	+ 4.6	77	20†	19	11	42	1.58	- 3.53	0.50	0	5	12	6	12	s.	George S. Martin.
Memphis.....	Shelby.....	409	42	57.6	+ 6.2	78	22	34	11	28	1.64	- 2.95	0.91	0	4	10	7	13	s.	U. S. Weather Bureau.
Milan.....	Gibson.....	440	31	52.8	+ 4.7	77	21	32	11	48	0.61	- 4.34	0.20	0	5	12	6	12	s.	Orlando F. Cantwell.
Trenton.....	do.....	345	38	55.4	+ 7.4	79	22	20	11	41	0.94	- 3.85	0.49	0	4	17	7	10	se.	F. L. Dennison.
Union City.....	Oblion.....	360	18	53.2	+ 3.5	78	21†	21	11	45	1.70	- 3.18	0.61	0	6	10	14	6	s.	J. R. Oliver.
<i>Arkansas.</i>																				
Allia.....	Lawrence.....	254	9	56.0	.....	76	15†	24	11	39	2.92	.....	1.45	0	3	12	14	4	s.	McCullough & Guelok.
Amity.....	Clark.....	250	21	57.0	+ 5.5	82	22	28	12	44	4.18	+ 0.10	2.70	0	5	15	6	9	w.	J. W. Campbell.
Arkadelphia.....	do.....	250	7								1.19	0.94	0	5						F. J. Carpenter.
Arkansas City.....	Dessa.....	145	28								3.84	+ 0.08	2.50	0	4					W. C. Blundell.
Batesville.....	Independence.....	271	15								3.39	- 0.20	1.12	0	6					Lella I. Teter.
Bee Branch.....	Van Buren.....	22	22	56.4	+ 5.3	80	21	25	11	37	2.30	- 1.02	0.55	0	6	11	3	16	s.	J. E. Scanlan.
Bentonville.....	Benton.....	1,303	8	54.9	+ 8.2	74	21	21	10	40	2.46	- 0.53	1.17	0	9	6	8	10	s.	U. S. Weather Bureau.
Bergman.....	Boone.....	1,324	15	55.0	+ 9.4	78	12	25	10†	40	1.82	- 0.92	0.64	0	8	13	7	10	se.	John T. Maxey.
Black Rock.....	Lawrence.....	250	12								2.68	- 2.21	1.04	0	6	5	12	11	s.	S. J. Howe.
Brinkley.....	Monroe.....	226	24	56.1	+ 7.3	80	21	24	11	42	2.79	- 2.11	1.23	0	5	12	11	7	s.	H. L. Whitton.
Calico Rock.....	Isard.....	361	10								1.90	- 1.20	0.33	0	3					J. W. Wray.
Camden.....	Ouachita.....	158	28	60.6	+ 8.3	83	18	27	11	46	1.55	- 2.76	0.83	0	3					R. H. Quarterman.
Centerpoint.....	Howard.....	170	14	60.5	+ 5.3	82	22	31	9†	38	3.50	- 0.36	2.30	0	5	7	3	20	se.	J. M. Huddleston.
Conway.....	Monroe.....	171	9								2.40	- 0.93	0.93	0	5					Mrs. B. E. Bishop.
Corning.....	Faulkner.....	309	30	55.8	+ 5.9	79	22	27	11	40	2.80	- 1.47	0.86	0	7	14	6	10	e.	G. H. Burr.
Dardanelle.....	Clay.....	293	21								2.94	- 0.29	0.99	0	7					Jacob Brobst.
Dodd City.....	Yell.....	330	28	57.0	.....	80	15	27	11	41	1.92	- 1.60	0.65	0	10	7	9	14	s.	A. Bernard.
Dumas.....	Marion.....	1,175	32	56.1 ^d	+ 8.5	75	18†	26	10	34 ^d	2.41	- 0.73	2.25	0	1					Neal Dodd.
Dutton.....	Dessa.....	2									1.30	- 1.30	0.25	0	2	17	12	1		Lawrence Waterman.
Eldorado.....	Madison.....	12	53.8	+ 5.3	73	18	22	11	38	5.16	- 1.80	1.53	0	7	8	6	16	s.	J. M. Ricketts.	
England.....	Unzon.....	265	9	60.0	.....	81	18†	30	10	41	2.05	- 0.95	0.95	0	5					Jeff J. Babb.
Eureka Springs.....	Carroll.....	229	7	58.3	.....	79	21	25	11	39 ^a	2.30	- 0.80	0.80	0	5					J. C. Chenault.
Fayetteville.....	Washington.....	1,465	23	56.6	+ 6.8	78	25	20	10†	46	3.26	- 0.63	1.61	0	6	5	12	13	sw.	George W. Nichols.
Fordyce.....	Dallas.....	1,451	23	55.8	+ 7.4	76	21	21	11	46	3.93	- 0.74	1.07	0	10	8	14	8	sw.	University of Arkansas.
Fort Smith.....	Sebastian.....	481	32	58.3	+ 8.4	75	18	32	10	33	2.15	- 1.13	0.77	0	9	7	3	20	e.	J. B. Atkinson.
Fulton.....	Hempstead.....	264	27								1.68	- 1.84	1.06	0	4					B. C. Logan.
Georgetown.....	White.....	200	2								1.80	- 0.63	0.63	0	5					Wm. N. Harris.
Hardy.....	Sharp.....	643	17	54.7	+ 5.0	76	18	23	11	38	3.90	+ 0.96	1.30	4.8	9	3	12	15	se.	C. A. Caywood.
Helena.....	Phillips.....	182	41	59.8	+ 7.8	78	24	40	1	26	2.78	- 1.95	2.30	0	3	3	12	12	s.	W. Schatz.
Hot Springs.....	Garland.....	600	20	60.4	+ 9.1	75	25	33	4	38	4.49	- 0.17	1.98	0	6	12	12	6	sw.	Army and Navy Gen. Hosp.
Huttig.....	Union.....	85	7	60.0	.....	82	18	32	10	40 ^b	2.05	- 0.26	1.20	0	2					C. A. Berry.
Jonesboro.....	Craighead.....	345	17	56.4	+ 5.0	80	15†	25	11	46	0.86	- 2.63	0.40	0	3	8	18	4	sw.	Benedictine Sisters.
Junction.....	Union.....	19	59.2	+ 5.9	79	18†	29	10	36	2.20	- 1.84	1.40	0	2	22	4	4	sw.	J. A. Lowerback.	
Lake Farm.....	Jefferson.....	195	6	58.2	.....	80	21	23	11	41	1.74	- 0.84	0.84	0	3	5	12	12	s.	G. L. Spellman.
Lewisville.....	Lafayette.....	282	10	61.6	.....	85	18	28	10	47	0.75	- 1.54	0.45	0	2	13	5	12	s.	F. W. Youmans.
Little Rock.....	Pulaski.....	357	35	58.2	+ 6.7	77	21	34	10	39	3.05	- 1.54	1.68	0	6	9	12	9	sw.	U. S. Weather Bureau.
Lutherville.....	Johnson.....	775	15	56.2	+ 5.7	76	18	27	11	34	2.60	- 1.28	1.09	0	10	8	15			

TABLE 1.—Climatological data for November, 1913. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Mississippi.																				
Anguilla.	Sharkey.	107	5	60.4	+ 5.7	83	22	26	10†	40	1.50	- 2.77	0.64	0	3	19	8	3	se.	E. W. Cook.
Austin.	Tunica.	200	17	58.0	+ 6.0	81	22	23	11	42	2.81	- 1.39	0	0	3	20	6	4	n.	H. J. Irvine.
Batesville.	Panola.	230	26	57.4	+ 6.0	81	22	24	11	49	1.01	- 2.70	0.40	0	3	19	4	7	s.	J. M. Cox.
Big Creek.	Calhoun.	2	2	58.1	+ 6.0	85	18	25	11	50	2.65	- 2.47	0.40	0	3	8	2	20	s.	J. P. Havens.
Canton.	Madison.	228	23	60.7	+ 5.1	84	23	26	11	42	1.94	- 1.15	0.98	0	4	23	5	2	se.	Dr. G. W. Smith-Vanis.
Charleston.	Tallahatchie.	3	6	58.4	+ 6.0	82	22	23	11	41	1.14	- 2.00	0.40	0	4	12	10	8	s.	W. B. Burke.
Clarkdale.	Coahoma.	177	6	58.1	+ 6.0	85	18	25	11	50	2.47	- 2.47	0.56	0	5	23	0	7	s.	A. C. Tuttle.
Cleveland.	Bolivar.	160	1	58.1	+ 6.0	85	18	25	11	50	1.00	- 1.00	0.56	0	5	15	15	0	e.	W. W. Boone.
Coffeeville.	Yalobusha.	241	4	58.4	+ 4.5	81	20†	23	11	46	1.00	- 2.90	0.64	0	5	13	3	14	se.	C. K. Bailey.
Corinth.	Alcorn.	470	25	54.4	+ 3.9	76	20	22	11	47	1.13	- 1.60	1.48	0	1	19	6	5	s.	M. A. Candler.
Crenshaw.	Panola.	187	4	58.4	+ 4.5	81	21	29	11	41	2.30	- 2.79	1.54	0	3	24	5	1	s.	Rodgers Woolard.
Duck Hill.	Montgomery.	14	26	56.6	+ 2.4	79	22	24	11	42d	1.48	- 1.40	1.48	0	1	15	1	14	ne.	W. H. Eskridge.
Edwards.	Hinds.	222	26	61.6	+ 5.0	85	23	28	11	37	4.05	+ 0.80	2.70	0	3	22	3	5	s.	E. F. Farr.
Fayette.	Jefferson.	270	12	60.6	+ 4.9	81	7†	29	11	44	2.29	- 1.40	1.88	0	3	17	8	5	s.	T. L. Darden.
Greenville.	Washington.	126	26	60.6	+ 6.3	85	22	29	11	44	1.81	- 1.68	1.08	0	2	22	3	5	s.	M. G. Harbison.
Greenwood.	Leflore.	140	13	58.4	+ 4.5	81	20†	26	11	46	0.40	- 0.30	0.30	0	2	20	9	1	s.	J. H. Stephan.
Grenada.	Granada.	194	4	58.4	+ 4.5	81	21	29	11	41	1.70	- 1.98	1.00	0	4	13	7	10	s.	W. F. Hallam.
Hernando.	De Soto.	391	25	56.8	+ 5.0	81	21	29	11	41	1.20	- 1.40	0.95	0	3	24	3	8	s.	W. F. Wood.
Hickory Flat.	Benton.	435	4	58.4	+ 5.0	81	21	29	11	41	1.20	- 1.40	0.95	0	3	24	5	1	e.	H. Powell.
Holly Bluff.	Yazoo.	5	5	55.2	+ 5.0	76	21†	28	11	41	1.02	- 2.77	0.48	0	3	24	5	1	s.	W. C. Sharbrough.
Holly Springs.	Marshall.	600	26	55.2	+ 5.0	76	21†	28	11	41	1.57	- 1.40	1.05	0	3	24	5	1	e.	L. B. Mosby.
Kosciusko.	Attala.	430	23	56.9	+ 3.0	81	23	23	11	45	0.50	- 0.26	0.26	0	4	14	13	3	s.	E. L. Lucas.
Malone.	Marshall.	4	4	58.0	+ 3.0	81	23	23	11	45	0.50	- 0.26	0.26	0	4	14	13	3	s.	M. J. Wilkins.
Moorhead.	Sunflower.	117	—	58.0	+ 3.5	82	23	27	11	42	1.71	- 1.71	0.60	0	3	14	13	3	s.	H. S. Gove.
Natchez.	Adams.	206	25	62.6	+ 3.5	82	23	27	10	38	2.88	- 1.19	1.61	0	2	5	3	22	s.	Catherine Garrity.
Pontotoc.	Pontotoc.	476	24	56.8	+ 4.3	76	21†	26	11	35	1.42	- 2.02	0.75	0	3	14	16	0	s.	Dr. C. W. Bolton.
Port Gibson.	Claiborne.	116	25	59.2	+ 3.3	81	21	26	10	44	1.97	- 1.59	1.28	0	2	13	2	15	s.	H. H. Crisler.
Rosedale.	Bolivar.	143	5	57.6	+ 3.0	82	7†	27	11	45	3.25	- 2.10	2.60	0	4	10	1	19	sw.	T. J. Murray.
Shoecoe.	Madison.	10	26	60.6	+ 5.0	84	22	29	11	39	3.25	+ 1.06	2.60	0	3	24	4	2	se.	J. C. Pitchford.
Suffolk.	Franklin.	12	8	62.6	+ 3.2	80	7†	31	11	38	1.79	- 1.63	1.09	0	3	15	13	2	s.	Prof. Geo. H. Kent.
Swan Lake.	Tallahatchie.	148	8	58.0	+ 3.4	81	22	22	11	42	1.36	- 1.36	0.86	0	3	17	9	4	s.	Dr. W. R. Harris.
Tchula.	Holmes.	130	8	60.4	+ 3.4	82	19†	24	11	43	2.46	- 1.41	2.46	0	2	2	2	6	s.	Dr. M. P. Winkler.
University.	Lafayette.	502	20	56.1	+ 3.4	77	22	21	11	39	1.25	- 2.60	0.60	0	4	22	2	6	s.	Prof. J. H. Dorroh.
Utica.	Hinds.	287	9	61.9	+ 3.9	83	15†	27	10	43	2.95	- 1.40	2.95	0	3	10	17	3	se.	Dr. J. B. Dudley.
Vicksburg.	Warren.	247	42	62.8	+ 6.9	81	23	35	10	31	3.86	- 0.33	3.21	0	3	13	16	1	sw.	U. S. Weather Bureau.
Water Valley.	Yalobusha.	300	24	58.9	+ 6.0	81	22	25	11	38	1.22	- 2.37	0.67	0	3	13	16	1	s.	Miss Loula Erikson.
Woodville.	Wilkinson.	560	20	63.8	+ 5.8	83	23	33	10	39	3.13	- 0.63	1.82	0	3	27	2	1	s.	James E. Lee.
Yazoo City.	Yazoo.	116	19	60.2	+ 5.2	83	22	25	11	42	3.19	+ 0.21	1.65	0	2	22	3	5	s.	W. H. Courts.
Louisiana.																				
Abbeville.	Vermillion.	18	25	62.2	+ 1.3	81	16	36	10	31	2.12	- 1.31	1.25	0	4	20	5	5	se.	Hon. C. J. Edwards.
Alexandria.	Rapides.	77	25	60.8	+ 3.8	81	16	30	10†	40	3.46	- 0.83	1.53	0	4	16	6	8	s.	Miss Nellie Graham.
Amite.	Tangipahoa.	130	25	62.0	+ 3.5	82	7	26	10	40	3.20	- 0.14	2.20	0	2	9	14	7	n.	Miss L. M. Wentz.
Angola.	West Feliciana.	—	—	64.8	+ 3.0	90	16	30	10	48	2.00	- 2.00	1.28	0	1	28	0	5	s.	Capt. John Brogan.
Antioch.	Claiborne.	—	—	61.1	+ 3.0	82	18	33	10	41	2.41	- 2.41	1.61	0	2	25	0	5	s.	W. L. Anglin.
Avoca Island.	St. Mary.	9	2	61.1	+ 3.0	82	18	33	10	41	3.03	- 3.03	2.40	0	5	25	4	1	s.	J. N. Pharr & Sons.
Baton Rouge.	E. Baton Rouge.	60	25	65.6	+ 6.0	87	17	33	10	41	2.21	- 2.49	1.16	0	4	14	2	14	se.	Elmo M. Bott.
Burnside.	Ascension.	20	13	64.8	+ 4.3	85	17	29	10	40	4.05	- 1.42	1.01	0	1	20	6	4	s.	C. S. McFarland.
Burwood.	Plaquemines.	1	25	66.4	+ 4.3	80	16	36	10	49	2.28	- 0.24	1.17	0	4	20	6	4	ne.	Graham Myers.
Cades.	St. Martin.	3	3	66.4	+ 4.3	86	21	33	10	34	3.63	- 2.58	0	0	2	26	3	1	s.	C. E. Smedes.
Calhoun.	Ouachita.	180	25	61.4	+ 6.5	82	23	30	11	42	1.72	- 2.12	1.05	0	2	13	13	4	s.	North La. Ex. Station.
Cameron.	Cameron.	6	20	61.8	+ 0.2	79	4†	32	10	37	1.45	- 2.46	0.94	0	4	19	9	4	e.	Adolph Bruckert.
Carrollton.	Orleans.	7	2	64.6	+ 6.0	82	7†	32	11	36	1.25	- 2.46	0.94	0	2	23	2	5	s.	Loyola College.
Cheneyville.	Rapides.	67	25	61.4	+ 3.8	84	15†	26	10	43	3.25	- 0.66	2.25	0	2	12	2	16	s.	Walter I. Tanner.
Cinclare.	St. Mary.	3	3	64.0	+ 3.8	83	16	32	9	40	2.00	- 2.00	1.20	0	2	10	6	14	s.	Cinclare Central Factory.
Clinton.	East Feliciana.	113	25	63.6	+ 5.2	82	17	36	10	41b	2.26	- 0.75	1.26	0	2	12	2	16	n.	John A. White.
Collinston.	Morhouse.	65	12	61.4	+ 5.8	89	19	29	10	40	4.97	+ 1.26	4.00	0	3	10	17	3	s.	J. B. Beily.
Covington.	St. Tammany.	39	21	61.9	+ 5.9	83	7	29	10†	42	3.97	+ 1.18	1.93	0	4	15	6	9	e.	Cecile P. Champagne.
Dodon.	Winn.	4	4	64.9	+ 3.8	83	18	28	10	42	2.21	- 1.15	1.15	0	3	12	13	5	s.	J. P. Lucas.
Donaldsonville.	Ascension.	33	25	67.4	+ 6.0	80	23	35	10	40	2.20	- 1.26	2.00	0	2	26	0	4	e.	John F. Park.
Dughtown.	Union.	—	—	55.4	+ 4.3	80	18	31	9†	41	1.17	- 2.95	0.66	0	3	4	4	17	s.	W. P. Chandler.
Farmerville.	Vermillion.	177	25	64.8	+ 3.5	83	23	36	9	38	1.90	- 1.45	3.18	0	4	18	11	1	se.	White Lake Land Co.
Franklin.	St. Mary.	10	21	66.0	+ 5.0	86	15	33	10	40	2.71	- 0.82	2.60	0	5	9	12	1	ne.	Miss J. M. Bonney.
Franklin.	Washington.	3	3	69.6	+ 3.8	89	18	36												

TABLE 1.—*Climatological data for November, 1913. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Louisiana—Continued.</i>																				
Ruston.....	Lincoln.....	312	18	63.6	+ 6.2	82	18†	35	10	42	1.40	— 2.57	0.75	0	2	20	7	3	s.	Andor M. Larson.
St. Francisville.....	West Feliciana.....	115	10	65.6	.....	85	24	30	10	32	2.73	.....	1.48	0	2	24	4	2	e.	G. W. Newman.
St. Gabriel.....	Iberia.....	.....	64.2	.....	82	21	40	10	24	2.50	.....	1.80	0	3	14	0	16	ss.	Capt. J. B. Murphy.	
Schriever.....	Terrebonne.....	17	21	63.4	+ 2.3	84	17†	30	10	45	3.50	+ 0.69	2.70	0	2	16	7	7	e.	William H. Gautreaux.
Shreveport.....	Caddo.....	249	42	62.7	+ 7.4	80	22	35	10	32	2.22	— 1.89	1.45	0	3	12	12	6	s.	U. S. Weather Bureau.
Simmesport.....	Avoyelles.....	42	7	.....	.....	.....	.....	.....	.....	.....	3.00	.....	1.57	0	2	5	0	25	n.	Cassius T. Leigh.
Southern Univ. Farm.....	Jefferson.....	16	.....	.....	.....	.....	.....	.....	.....	.....	2.05	— 0.55	1.90	0	3	16	8	6	se.	F. L. St. Martin.
Sugartown.....	Calcasieu.....	20	64.3	+ 5.8	81	17	36	10	31	5.36	+ 1.44	2.61	0	4	1	27	2	.....	G. W. Richardson.	
Tallulah.....	Madison.....	91	6	60.0	.....	82	19†	27	11	43 ^a	0.76	.....	0.44	0	2	2	.....	.....	Neal T. Halt.	
Walker.....	Livingston.....	3	.....	.....	.....	84	3†	.....	.....	.....	3.25	.....	2.25	0	2	19	10	1	.....	Prof. L. W. Wilkinson.

^{a, b, c, etc.}, indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for November, 1913. District No. 7, Lower Mississippi Valley.

Stations.	Watershed.	Day of month.																													Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
<i>Colorado.</i>																																				
Buena Vista.....	Arkansas	.30																														T.	0.30			
Calhan.....	Big Sandy	.10																															0.10			
Canon City.....	Arkansas	.11	.25																														0.40			
Colorado Springs.....	Fountain	.03	.01																														0.05			
Cripple Creek.....	Oil Creek	.69																																		
Cuchara Camps.....	Cucharas	.69																																		
Eads.....	Big Sandy																																			
Fairview.....	St. Charles	.58																																		
Florence.....	Arkansas																																			
Fremont Experiment Station.....	Fountain																																			
Garfield.....	Little Arkansas	.66																																		
Hamps.....	Big Sandy	.18																																		
Hermit Lake.....	Grape Creek	.80																																		
Hoehne (near).....	Purgatoire	.40	T.																																	
Holly.....	Arkansas	.55																																		
La Junta.....	do	.15	.32																																	
Lake Moraine.....	Fountain																																			
Lamar.....	Arkansas	.56																																		
Las Animas.....	Cucharas	.23																																		
La Veta Pass.....	Arkansas	.04																																		
Leadville.....	Arkansas	.12																																		
Limon (near).....	Big Sandy	.33																																		
Madrid.....	Purgatoire																																			
Marshall Pass.....	Arkansas	.17																																		
Maxey.....	do																																			
Monument.....	Fountain																																			
North Lake.....	Purgatoire	.57																																		
Pueblo.....	Arkansas	.11																																		
Rocky Ford (near).....	do																																			
St. Elmo.....	Chalk Creek	.15																																		
Salida.....	Arkansas	.15																																		
Stonewall.....	Purgatoire	.38	T.																																	
Trinidad.....	do	.46	.04																																	
Two Buttes.....	Arkansas	.20																																		
Two Buttes Reserv'.....	Gil Creek	.28																																		
Victor.....	Cimarron																																			
Velas.....	Grape Creek	.46																																		
Westcliffe.....	Clear Creek																																			
Winfieled.....	do																																			
Woodman Sanatorium.....	Fountain	.01																																		
Wortman.....	Arkansas	.10	.20	.10	.20	.10	T.	T.	T.	T.	T.																						1.50			
Yoder.....	do																																	T.		
<i>New Mexico.</i>																																				
Abbott.....	Canadian	* .40	T.																																0.80	
Albert.....	do	* .16																																	0.74	
Aurora.....	do	.36																																	0.56	
Bell Ranch.....	do																																			
Black Lake.....	do	.31																																		
Cabeza.....	do	.05	.08																																	
Campana.....	do	* .20																																		
Chacon.....	do	.85																																		
Cimarron (near).....	do	.28																																		
Clayton.....	do	.46																																		
Civis.....	Red	* .20																																		
Cuervo.....	Canadian	.08																																		
Dawson.....	do	.28																																		
Elizabethtown.....	do	.43																																		
Folsom.....	Dry Cimarron	.30																																		
Fort Union.....	Canadian	.30																																		0.65
Hayden.....	do	.35																																	1.08	
Hoosier Ranch.....	do	.12																																	0.90	
Johnsons Park.....	do																																			
Johnson Ranch.....	do	.2																																		

TABLE 2.—*Daily precipitation for November, 1913. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for November, 1913. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for November, 1913. District No. 7—Continued.*

Stations.	Watershed.	Day of month.																												Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
<i>Missouri—Contd.</i>																																		
Neosho.....	Neosho.....	T.																															1.94	
New Madrid II.....	Mississippi.....																																1.57	
Oakfield.....	Meramec.....																																3.53	
Rolla.....	do.....																																1.75	
Springfield.....	White.....	T.	T.																														1.59	
<i>Kentucky.</i>																																		
Blandville.....	Mississippi.....																																2.49	
<i>Tennessee.</i>																																		
Arlington II.....	Mississippi.....																																	1.09
Bolivar.....	do.....																																	1.26
Brownsville II.....	do.....																																	1.65
Covington II.....	do.....																																	1.35
Dyersburg II.....	do.....																																	1.30
Jackson.....	do.....																																	1.58
Kenton.....	do.....																																	1.64
Memphis.....	do.....																																	1.52
Milan II.....	do.....																																	0.61
Trenton.....	do.....																																	0.94
Union City II.....	do.....																																	1.70
<i>Arkansas.</i>																																		
Alicia.....	White.....																																	2.92
Amity II.....	Ouachita.....																																	4.18
Arkadelphia.....	do.....																																	1.19
Arkansas City II.....	Mississippi.....																																	3.84
Batesville II.....	White.....																																	3.39
Bee Branch.....	Arkansas.....																																	2.30
Bentonville.....	do.....	T.																																2.46
Bergman.....	White.....																																	1.82
Black Rock II.....	do.....																																	2.68
Brinkley II.....	do.....																																	2.79
Calico Rock II.....	do.....																																	1.90
Camden II.....	Ouachita.....																																	1.55
Centerpoint.....	Red.....																																	3.50
Clarendon II.....	White.....																																	2.40
Conway.....	Arkansas.....																																	2.80
Corning.....	White.....																																	2.94
Dardanelle II.....	Arkansas.....																																	1.92
Dodd City.....	White.....																																	2.41
Dumas.....	Arkansas.....																																	2.25
Dutton.....	White.....	T.																																5.16
Eldorado II.....	Ouachita.....																																	5.05
England II.....	Arkansas.....																																	2.80
Eureka Springs.....	White.....																																	3.26
Fayetteville.....	do.....																																	3.93
Fordyce.....	Ouachita.....																																	1.10
Fort Smith.....	Arkansas.....	T.																																2.15
Fulton II.....	Red.....																																	1.68
Georgetown II.....	White.....																																	1.80
Hardy.....	do.....																																	5.00
Helena II.....	Mississippi.....																																	2.78
Hot Springs.....	Ouachita.....																																	4.49
Hunting.....	do.....																																	2.05
Jonesboro.....	White.....																																	0.86
Junction.....	Ouachita.....																																	2.20
Lake Farm.....	Arkansas.....																																	1.74
Lewisville.....	Red.....																																	0.75
Little Rock.....	Arkansas.....																																	3.05
Lutherville.....	do.....																																	2.60
Malvern II.....	Ouachita.....																																	3.43
Mammoth Spring.....	White.....																																	1.90
Marked Tree II.....	St. Francis.....																																	4.06
Moena.....	Ouachita.....																																	

TABLE 2.—*Daily precipitation for November, 1913. District No. 7—Continued.*

* Precipitation included in that of the next measurement.

Separate dates of falls not recorded.
Precipitation for the 24 hours and for

T. Precipitation is less than 0.01 inch rain or melted snow.

1. Precipitation is less than 600 mm rain or melted snow.

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TABLE 3.—*Maximum and minimum temperatures at selected stations for November, 1913. District No. 7, Lower Mississippi Valley.*

Date.	Colorado.						New Mexico.						Texas.						Kansas.						Oklahoma.			
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris.		Dodge City.		Ellinwood.		Iola.		Liberal.		Wichita.		Ardmore.		Bartlesville.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	51	28	41	20	71	22	56	28	60	22	47	42	54	37	59	37	60	36	54	31	60	35	56	37	56	42	55	36
2.....	50	27	46	20	67	27	70	38	64	22	63	42	67	42	63	37	55	40	52	41	67	37	55	44	59	43	59	45
3.....	46	30	30	20	51	30	59	33	52	31	50	35	76	41	48	38	53	41	59	45	60	38	52	46	64	50	56	45
4.....	50	25	42	15	38	29	48	26	45	21	37	32	67	42	41	35	47	39	58	45	39	33	51	44	55	51	57	50
5.....	55	23	49	20	47	23	50	24	56	23	54	34	75	52	53	39	54	40	68	39	55	37	60	43	55	52	70	40
6.....	67	30	42	26	71	35	79	26	66	31	76	37	76	47	66	40	61	47	68	51	77	55	62	54	65	50	71	50
7.....	56	25	33	17	58	36	78	30	67	39	58	42	77	47	59	39	61	43	62	43	69	40	63	44	70	52	62	44
8.....	65	27	42	14	53	24	78	28	56	23	56	32	59	44	55	30	55	29	61	33	59	43	52	35	55	40	50	53
9.....	67	30	50	22	60	26	69	26	65	30	65	37	58	38	54	30	53	24	48	28	59	47	49	30	56	35	57	34
10....	58	25	52	24	76	25	73	39	73	23	74	34	63	34	52	27	51	22	45	25	67	45	48	26	62	34	54	28
11....	64	30	45	25	74	29	77	25	73	21	72	41	78	34	79	36	75	32	70	29	70	37	72	40	73	33	73	
12....	58	34	42	22	71	40	77	32	66	41	78	45	77	40	68	37	68	39	73	55	69	40	71	51	68	50	78	53
13....	60	35	43	25	54	34	70	40	64	35	75	46	73	56	56	36	56	33	68	50	72	36	55	42	68	51	77	53
14....	66	36	38	18	43	32	70	40	64	34	58	40	72	60	43	37	49	39	54	48	53	46	71	63	70	64	70	50
15....	69	33	30	14	57	28	62	38	62	30	47	41	72	61	55	38	48	37	49	41	50	38	42	73	61	50	50	50
16....	65	35	48	16	66	20	73	34	66	30	62	46	74	62	64	30	65	29	50	34	62	32	48	34	72	52	70	46
17....	67	36	49	23	67	32	65	56	67	34	56	51	79	58	69	51	70	43	63	34	73	50	64	48	77	52	72	53
18....	70	34	47	26	68	33	70	48	68	26	69	44	80	58	71	54	73	55	72	59	70	60	69	60	75	61	77	60
19....	67	35	45	26	54	36	72	28	69	36	79	47	77	58	69	46	71	51	77	64	73	50	72	61	76	65	76	63
20....	67	34	40	24	59	31	55	35	58	27	66	47	76	66	68	45	71	49	72	54	70	40	71	53	71	67	78	62
21....	63	37	36	16	55	33	61	34	57	30	68	40	80	66	64	42	68	49	72	56	68	37	64	49	80	56	78	55
22....	61	34	29	8	43	20	60	30	49	29	53	39	80	68	51	33	62	43	64	45	66	38	62	42	72	50	68	48
23....	59	31	44	8	59	13	56	26	52	26	50	34	59	57	60	26	58	25	55	34	60	27	56	35	55	48	77	47
24....	58	30	47	15	44	19	43	29	41	27	46	36	63	51	50	31	55	26	59	30	48	30	52	33	53	45	57	32
25....	62	36	36	18	63	30	60	35	53	30	60	36	62	50	64	37	55	39	51	46	62	37	52	42	63	45	56	47
26....	61	19	43	16	58	27	60	27	55	29	61	40	72	49	63	33	62	33	62	50	62	37	60	49	71	51	67	52
27....	55	25	37	13	56	22	66	26	61	26	45	67	70	50	60	31	53	32	66	51	60	34	55	46	68	51	68	50
28....	51	35	32	10	58	26	65	27	58	27	65	42	72	60	62	47	61	47	66	56	61	31	60	49	70	54	69	60
29....	49	35	40	4	47	29	52	40	51	34	49	36	62	61	50	40	58	50	62	53	60	37	59	55	65	55	64	59
30....	45	30	34	10	46	21	56	26	52	26	54	36	54	36	50	51	46	38	50	54	52	53	54	55	55	50	65	56
Mns.	59.4	30.8	41.1	17.8	57.8	27.9	64.3	32.8	59.7	28.4	60.9	39.7	70.3	51.3	58.7	37.3	59.3	38.2	60.7	44.1	62.0	38.5	58.2	44.3	66.7	52.2	65.4	48.8

Date.	Oklahoma.												Missouri.												Blandville, Ky.			
	Enid.		McAlester.		Mangum.		Muskomie.		Oklahoma.		Weatherford.		Woodward.		Caruthersville.		Ironton.		Lamar.		Olden.		Springfield.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	60	32	57	40	60	38	54	42	54	42	57	36	56	26	58	29	52	18	56	32	50	32	49	27	56	20	56	20
2.....	50	35	64	42	62	42	56	42	55	41	60	42	63	40	65	30	58	28	53	35	54	39	64	36	56	36	56	36
3.....	56	43	70	45	60	41	60	43	59	47	59	45	59	45	71	36	66	40	61	41	59	43	66	41	72	36	57	36
4.....	53	48	70	50	54	45	70	44	52	50	52	48	46	41	70	39	64	41	59	43	63	47	66	41	72	37	57	36
5.....	54	46	76	50	58	45	68	47	64	50	56	48	52	43	69	35	62	26	70	42	64	41	59	35	68	31	56	31
6.....	64	48	73	52	66	46	72	48	66	52	62	48	65	43	76	32	68	26	72	45	66	44	70	35	74	31	56	31
7.....	63	44	73	56	63	45	69	50	65	45	67	42	64	39	71	52	68	42	64	50	66	45	70	36	70	35	74	31
8.....	62	34	56	40	66	45	55	40	53	36	58	34	58	31	65	44	50	41	52	34	47	33	57	41	71	44	64	34
9.....	50	38	56	35	59	43	52	31	50	33	55	30	58	25	53	31	46	27	49	26	43	27	41	25	48	34	56	34
10....	56	28	59	3																								

TABLE 3.—Maximum and minimum temperatures at selected stations for November, 1913. District No. 7—Continued.

Date.	Tennessee.				Arkansas.												Mississippi.					
	Kenton.		Memphis.		Bentonville.	Dardanelle.	El Dorado.	Fort Smith.	Hardy.	Little Rock.	Pine Bluff.	Texarkana.	Wynne.	Clarksville.	Corinth.	Greenville.						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	52	25	52	35	56	32	57	36	57	37	56	41	54	28	53	35	57	34	65	42	54	31
2.....	60	26	61	38	58	43	62	37	62	40	58	43	59	30	60	41	63	37	70	40	62	32
3.....	68	32	67	42	64	39	72	34	77	36	64	42	70	36	67	40	71	38	78	39	72	36
4.....	66	35	70	47	68	46	75	47	65	48	66	43	68	47	73	45	76	38	70	39	74	38
5.....	63	30	65	42	69	45	70	41	76	46	67	48	66	35	66	47	71	42	76	52	67	40
6.....	73	31	73	47	69	45	75	38	77	43	74	47	72	34	73	45	77	41	78	43	75	36
7.....	69	54	72	57	66	40	78	38	77	43	73	53	74	52	72	56	77	55	74	62	77	54
8.....	67	48	58	42	50	34	69	46	59	47	55	43	64	41	58	47	59	49	62	48	59	48
9.....	58	32	48	35	46	28	56	37	54	35	52	36	50	30	51	37	55	36	59	38	51	33
10....	44	27	45	36	46	25	57	30	58	30	51	32	49	28	52	34	64	27	48	33	44	33
11....	51	19	57	34	66	26	68	27	70	31	65	32	56	23	64	35	75	33	68	24	64	25
12....	73	34	73	49	68	55	76	39	80	39	73	50	73	39	74	50	77	28	78	41	70	48
13....	70	34	71	55	69	63	71	55	78	46	71	61	68	52	72	60	77	49	74	55	76	47
14....	70	55	70	57	68	62	72	53	75	48	73	60	70	56	67	58	72	57	74	59	74	52
15....	72	56	74	59	62	48	80	55	79	53	70	56	71	59	74	57	79	56	80	59	76	55
16....	69	50	66	50	55	43	67	55	75	54	60	51	63	46	65	50	64	57	75	59	58	52
17....	64	33	61	43	69	45	63	47	69	57	64	52	56	35	59	46	61	51	76	60	62	38
18....	73	46	74	50	73	56	80	49	81	58	79	56	76	50	77	53	80	52	83	58	70	50
19....	76	54	72	58	74	63	70	57	72	60	77	67	67	58	70	60	72	58	78	50	79	45
20....	77	52	75	59	71	63	76	59	79	62	75	66	68	59	74	61	76	56	79	62	76	50
21....	77	57	77	60	74	63	78	64	81	63	79	66	72	59	77	65	81	63	79	65	80	52
22....	77	61	78	65	71	52	76	65	80	64	73	59	72	62	75	67	84	67	79	64	82	56
23....	74	53	67	47	56	37	62	54	71	65	62	49	63	48	64	52	63	63	70	61	67	59
24....	61	28	62	40	61	31	61	36	67	45	61	42	62	32	61	43	64	42	67	47	68	38
25....	62	33	60	45	51	46	56	40	68	41	55	48	56	43	63	46	67	42	69	45	61	39
26....	67	42	69	50	58	49	66	43	76	41	59	48	72	46	71	50	72	42	77	46	69	45
27....	70	51	69	58	69	56	65	53	66	49	65	58	64	54	64	57	71	57	75	50	72	48
28....	66	53	65	60	64	56	63	55	65	56	65	58	61	56	63	58	68	50	66	56	70	59
29....	67	57	65	59	67	56	67	61	66	60	61	58	65	60	67	57	78	60	70	60	64	50
30....	70	59	68	56	59	46	61	52	70	57	61	54	64	52	64	53	69	55	68	61	73	59
Mns..	66.9	42.2	66.1	49.2	63.2	46.6	68.0	46.0	71.4	48.5	65.7	50.9	64.6	44.8	66.1	50.2	69.5	46.3	74.0	51.1	67.4	47.0

Date.	Mississippi.						Louisiana.												Shreveport.			
	Kosciusko.		Natchez.		Vicksburg.		Alexandria.	Baton Rouge.	Covington.	Lafayette.	Lake Charles.	Monroe.	New Orleans.	Roseline.	Schriev-	Shreve-	port.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	63	32	64	37	62	37	63	34	68	39	68	41	63	31	66	36	61	35	70	29	68	40
2.....	69	32	68	40	41	41	65	39	78	45	74	44	72	42	70	39	61	40	67	33	72	44
3.....	75	38	77	46	74	47	75	41	80	51	79	47	85	50	75	40	71	54	78	31	80	48
4.....	75	39	77	52	76	57	76	42	81	55	79	52	78	52	78	46	77	51	80	38	73	54
5.....	76	46	77	54	75	51	70	55	71	53	73	51	72	56	82	47	76	50	75	42	79	56
6.....	77	43	78	55	78	56	77	48	81	51	79	51	86	52	79	49	79	45	74	60	80	50
7.....	73	45	79	55	77	62	77	48	83	64	83	55	81	57	75	32	80	46	81	63	80	57
8.....	58	51	61	53	63	45	62	51	69	52	68	58	67	54	81	30	61	51	68	53	60	39
9.....	51	35	56	40	53	39	60	37	64	37	58	45	65	39	82	32	57	48	65	24	60	36
10....	55	30	62	27	57	35	63	30	69	33	64	29	65	33	70	31	60	34	62	20	62	35
11....	65	23	71	31	68	37	70	30	76	35	69	29	73	37	80	34	70	33	65	47	75	32
12....	75	30	75	47	74	35	78	39	73	33	72	42	82	32	78	33	72	50	80	32	70	37
13....	75	34	77	46	74	52	76	42	81	49	76	31	84	52	78	41	74	54	79	38	82	55
14....	73	42	76	51	74	53	75	50	83	47	79	42	84	51	82	46	75	49	77	56	80	59
15....	76	45	77	54	74	57	78	49	80	53	77	48	84	54	77	48	78	50	81	50	82	45
16....	72	51	79	60	77	60	81	56	86	58	81	53	90	56	88	48	80	53	78	62	84	55
17....	69	51	80	55	76	58	78	59	87	60	80	53	90	63	84	67	79	56	82	57	84	58
18....	77	41	81	58	77	58	79	57	82	59	78	59	80	60	87	50	82	55	74	59	82	60
19....	77	42	80	57	79	57	79	59	83	53	78	46	81	60	89	55	80	56	76	61	80	55
20....	79	49	79	59	78	57	79	60	79	60	79	50	81	62	80	57	80	60	77	60	81	58
21....	72	50	81	60	80	61	76	59	84	63	80	57	81	64	81	60	80	59	78	62	82	59
22....	80	57	78	63	80	64	75	52	77	65	80	61	79	65	82	57	80	60	76	62	84	60
23....	81	50	82	62	81	60	80	60	85	64	80	62	84	62	84	50	81	57	76	63	84	60
24....	68	43	70	54	71	52	69	57	74	58	76	56	73	60	86	55</						